

Advising Worksheet for **Grazing Livestock Systems Major**, UNL (2016-2017)

**College and Integrative Courses (6 Hours)**

	Course	Hrs	ACE
	SCIL 101 Science & Decision-Making for Complex World	3	
	ASCI 451/AGRO/RNGE 445 (capstone) Livestock Mgt on Range & Pasture	3	10

**Mathematics and Analytical Skills (5 Hours)**

MATH 102 Trig, 104 Calc, 106 Geom and Calc, STAT 218 Intro to Stats		2	3
		3	3

**Communications (9 Hours)**

Written – ENGL 150, 151, 254 Writing, JGEN 120 Business Comm, 200, 300 Technical Comm		3	1
Oral – ALEC 102 Interpersonal Skills for Leadership; COMM 101 Comm in 21 <sup>st</sup> Century, 209 Public Speaking, 210 Comm Small Groups, 215 Visual Comm, 283 Interpersonal Comm, 286 Bus & Prof Comm, JGEN 300, MRKT 257 Sales Comm, TMFD 121 Visual Comm & Presentation		3	2
Communications & Interpersonal Skills Elective – Any above or ALEC 202 Leadership Dev in Small Groups, 207 Comm to Public Audiences, 302 Dynamics Effective Leadership in Org, 305 Presentation Strategies to Ag Audiences, 350 Ag, Envir & Sci in Media, 480 Dynamics of Ag Envir Journalism, COMM 212 Debate, 325 Interviewing, JGEN 103 Media Literacy, 220 Bus Comm Strategies, MNGT 311 Leadership, Comm & Teams, 365 Managing Diversity in Org		3	

**Natural Sciences (20-25 Hours)**

AGRO 315 Genetics		4	
AGRO 131 & 132 Plant Science & Lab or BIOS 101 & BIOS 101L General Biology & Lab or LIFE 120 & LIFE 120L Fundamentals of Biology I & Lab		4	4
Choose one of following series: -CHEM105/106 Chem in Context I & II -CHEM 109/110 Gen Chem I & II and 251/253 Organic Chem I / Lab		8-12	4
MSYM 109 Physical Principles of Ag or PHYS 141 Elementary General Physics I or 151 Elements of Physics		4-5	4

**Economics, Humanities & Social Sciences (15 Hours)**

AECN 141 Intro Ag Econ		3	6
Students should choose one course each in ACE areas 5, 7, 8 and 9:		3	5
		3	7
		3	8
		3	9

**Agricultural Sciences (49 Hours)**

	Course	Hrs	ACE
	ASCI 100 Fund of Animal Biology	4	
	ASCI 240 Anatomy & Physiology of Domestic Animals	4	
	ASCI 320 Animal Nutrition & Feeding	3	
	ASCI 330 Animal Breeding	4	
	ASCI 341 Physiology & Mgt of Reproduction	4	
	AGRO/SOIL 153 Soil Resources	4	
	NRES/AGRO 245 Intro Rangeland Ecology & Mgt	3	
	AGRO/RNGE 240 Forage Crop & Range Mgt	4	
	AGRO/RNGE 340 Range Mgt/Improvement	3	
	AGRO/RNGE 440 Great Plains Ecosystems	3	
	AECN 201 Farm & Ranch Mgt	4	
	AECN 325 Marketing Ag Commodities	3	
	AECN electives: Take 1 course in 2 of the following 3 blocks: <i>Farm Management &amp; Marketing</i> – 301 Farm Acct, Analysis, & Tax Mgt; 401 Advanced Farm Mgt & Linear Prog; 435 Advanced Ag Marketing Mgt; <i>Agricultural Financial Analysis</i> – 301 Farm Acct, Analysis, & Tax Mgt; 452 Ag Finance; 453 Ag Property Appraisals; <i>Natural Resources, Policy, &amp; Legal Environment</i> – 256 Legal Aspects in Ag; 265 Resource & Environ Econ I; 345 Policy Issues in Agriculture and Natural Resources; 357 Natural Resources & Environ Law; 445 Ag & Natural Resource Policy; 465 Resource & Environ Econ II	6	435 is ACE 10  445 is ACE 8 or 10

**Internship (4 Hours)**

GRAS 490 GLS Internship (planning)		1	
GRAS 490 GLS Internship		3	

**Free Electives (7-12 Hours)**

Note: Students who are interested in federal employment in range management need to take AGRO/RNGE 442 and 444.